

SEQUENCE LISTING

<110> The Government of the United States of America as
represented by the Secretary of the Department of Health and
Human Services
Leonard, Warren J.
Lipsky, Peter
Morse, Herbert C.
Ettinger, Catherine Rachel
Spolski, Rosanne

<120> METHOD OF INDUCING MEMORY B CELL DEVELOPMENT AND TERMINAL
DIFFERENTIATION

<130> 4239-66179-02

<150> US 60/523,754

<151> 2003-11-19

<160> 16

<170> PatentIn version 3.3

<210> 1

<211> 160

<212> PRT

<213> Homo sapiens

<400> 1

Met Arg Ser Ser Pro Gly Asn Met Glu Arg Ile Val Ile Cys Leu Met
1 5 10 15

Val Ile Phe Leu Gly Thr Leu Val His Lys Ser Ser Ser Gln Gly Gln
20 25 30

Asp Arg His Met Ile Arg Met Arg Gln Leu Ile Asp Ile Val Asp Gln
35 40 45

Leu Lys Asn Tyr Val Asn Asp Leu Val Pro Glu Phe Leu Pro Ala Pro
50 55 60

Glu Asp Val Glu Thr Asn Cys Glu Trp Ser Ala Phe Ser Cys Phe Gln
65 70 75 80

Lys Ala Gln Leu Lys Ser Ala Asn Thr Gly Asn Asn Glu Arg Ile Ile
85 90 95

Asn Val Ser Ile Lys Lys Leu Lys Arg Lys Pro Pro Ser Thr Asn Ala
100 105 110

Gly Arg Arg Gln Lys His Arg Leu Thr Cys Pro Ser Cys Asp Ser Tyr
115 120 125

Glu Lys Lys Pro Pro Lys Glu Phe Leu Glu Arg Phe Lys Ser Leu Leu
130 135 140

Gln Lys Met Ile His Gln His Leu Ser Ser Arg Thr His Gly Ser Glu
145 150 155 160

<210> 2
<211> 146
<212> PRT
<213> Mus musculus

<400> 2

Met Glu Arg Thr Leu Val Cys Leu Val Val Ile Phe Leu Gly Thr Val
1 5 10 15

Ala His Lys Ser Ser Pro Gln Gly Pro Asp Arg Leu Leu Ile Arg Leu
20 25 30

Arg His Leu Ile Asp Ile Val Glu Gln Leu Lys Ile Tyr Glu Asn Asp
35 40 45

Leu Asp Pro Glu Leu Leu Ser Ala Pro Gln Asp Val Lys Gly His Cys
50 55 60

Glu His Ala Ala Phe Ala Cys Phe Gln Lys Ala Lys Leu Lys Pro Ser
65 70 75 80

Asn Pro Gly Asn Asn Lys Thr Phe Ile Ile Asp Leu Val Ala Gln Leu
85 90 95

Arg Arg Arg Leu Pro Ala Arg Arg Gly Gly Lys Lys Gln Lys His Ile
100 105 110

Ala Lys Cys Pro Ser Cys Asp Ser Tyr Glu Lys Arg Thr Pro Lys Glu
115 120 125

Phe Leu Glu Arg Leu Lys Trp Leu Leu Gln Lys Met Ile His Gln His
130 135 140

Leu Ser
145

<210> 3
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide probe/primer

<400> 3
cagtccacag taaggaagtg aaatthaattt

30

<210> 4
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide probe/primer

<400> 4
gaaaattcct agaaagcata 20

<210> 5
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide probe/primer

<400> 5
acagaggccg agtttgaaga ga 22

<210> 6
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide probe/primer

<400> 6
aaggatgcct cggcttgaa 19

<210> 7
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide probe/primer

<400> 7
ccctgggatt ccggcgctg 19

<210> 8
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide probe/primer

<400> 8
aaacgcaaga gggatgaagg t 21

<210> 9
<211> 19
<212> DNA

<213> Artificial Sequence
<220>
<223> Oligonucleotide probe/primer
<400> 9
aacaggcttc cccgcattct 19

<210> 10
<211> 21
<212> DNA
<213> Artificial Sequence
<220>
<223> Oligonucleotide probe/primer
<400> 10
cacttccggg ccgggacttc c 21

<210> 11
<211> 26
<212> DNA
<213> Artificial Sequence
<220>
<223> Oligonucleotide probe/primer
<400> 11
tcagagtatt cggttcttag ctgtga 26

<210> 12
<211> 18
<212> DNA
<213> Artificial Sequence
<220>
<223> Oligonucleotide probe/primer
<400> 12
tgcagcgtgt gcctcttg 18

<210> 13
<211> 27
<212> DNA
<213> Artificial Sequence
<220>
<223> Oligonucleotide probe/primer
<400> 13
tgcaacgaat gtgactgccg tttctct 27

<210> 14
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Oligonucleotide probe/primer

<400> 14
ttcacccacca tggagaaggc 20

<210> 15
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide probe/primer

<400> 15
ggcatggact gtggtcatga 20

<210> 16
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide probe/primer

<400> 16
tgcatcctgc accaccaact gcttag 26